Facial Skin Aging
A multidimensional phenotype

Merel Aline Hamer

1. Different skin color types age in a different manner.
   This thesis

2. Men have more wrinkles at a younger age, but women catch up with them at an older age.
   This thesis

3. Variations in the "red hair gene" *MC1R* are associated with looking two years older.
   This thesis

4. The much-praised vitamin D shows no causal association with facial skin aging.
   This thesis

5. Skin aging scatters in many and clusters in few.
   This thesis

6. Many of the current limitations of GWAS are not insurmountable or can be overcome at least to some extent.
   V Tam et al, Nat Rev Genet 2019

7. Artificial intelligence can be considered to score facial attractiveness and apparent age.
   R Patcas et al, Int J Oral Maxillofac Surg 2019

8. Mortality is written on the face.
   DA Gunn et al, J Gerontol A Biol Sci Med Sci 2016

9. Appearance-based education is more effective in promoting sunscreen use than health-based education.
   W Tuong et al, J Am Acad Dermatol 2014

10. The universe doesn't allow perfection.
    Stephen Hawking, 1942-2018

11. It is not only fine feathers that make fine birds.
    Aesop, 620-564 BC